



**Scientific Opinion of the Panel on Food Additives, Flavourings, Processing Aids and Materials in Contact with Food on a request from Commission on Flavouring Group Evaluation 87, (FGE.87) bicyclic secondary alcohols, ketones and related esters**  
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## **Flavouring Group Evaluation 87, (FGE.87)<sup>1</sup>**

### **Consideration of bicyclic secondary alcohols, ketones and related esters evaluated by JECFA (63<sup>rd</sup> meeting) structurally related to bicyclic secondary alcohols, ketones and related esters evaluated by EFSA in FGE.47 (2008)**

#### **Scientific Opinion of the Panel on Food Additives, Flavourings, Processing Aids and Materials in Contact with Food**

**(EFSA-Q-2008-071)**

**Adopted on 22 May 2008**

#### **SUMMARY**

The Scientific Panel on Food Additives, Flavourings, Processing Aids and Materials in Contact with Food (the Panel) is asked to advise the Commission on the implications for human health of chemically defined flavouring substances used in or on foodstuffs in the Member States. In particular the Scientific Panel is requested to consider the Joint FAO/WHO Expert Committee on Food Additives (the JECFA) evaluations of flavouring substances assessed since 2000, and to decide whether no further evaluation is necessary, as laid down in Commission Regulation (EC) No 1565/2000. These flavouring substances are listed in the Register, which was adopted by Commission Decision 1999/217/EC, and its consecutive amendments.

The present consideration concerns a group of 15 bicyclic secondary alcohols, ketones and related esters evaluated by the JECFA (63<sup>rd</sup> meeting) and will be considered in relation to the European Food Safety Authority (EFSA) evaluation of four bicyclic secondary alcohols, ketones and related esters in the Flavouring Group Evaluation 47 (FGE.47).

The Panel agrees with the application of the Procedure as performed by JECFA for the 15 bicyclic secondary alcohols, ketones and related esters. However, for two substances [FL-no: 09.153 and 09.319] the JECFA evaluation is only based on MSDI values derived from production figures from the USA. EU production figures are needed in order to finalise the evaluation of these substances.

For all 15 substances evaluated through the Procedure use levels are needed to calculate the mTAMDI in order to identify those flavouring substances that need more refined exposure assessments and to finalise the evaluation.

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<sup>1</sup> For citation purposes: Scientific Opinion of the Panel on Food Additives, Flavourings, Processing Aids and Materials in Contact with Food on a request from Commission on Flavouring Group Evaluation 87, (FGE.87) bicyclic secondary alcohols, ketones and related esters. The EFSA Journal (2008) 746, 1-2

In order to determine whether the conclusion for the 15 JECFA evaluated substances can be applied to the materials of commerce, it is necessary to consider the available specifications:

Specifications are available for the 15 materials of commerce. Information on composition of mixture is lacking for eight substances [FL-no: 02.016, 02.038, 07.159, 09.017, 09.131, 09.153, 09.176 and 09.218].

Thus, for nine of the 15 JECFA evaluated bicyclic secondary alcohols, ketones and related esters [FL-no: 02.016, 02.038, 07.159, 09.017, 09.131, 09.153, 09.176, 09.218 and 09.319] the Panel has reservations (no European production volumes available, preventing them from being evaluated using the Procedure, and/or information on the composition of mixture is lacking).

For the remaining six of the 15 JECFA evaluated bicyclic secondary alcohols, ketones and related esters [FL-no: 02.059, 07.153, 09.082, 09.269, 09.456 and 09.457] the Panel agrees with the JECFA conclusion “no safety concern at estimated levels of intake as flavouring substances” based on the MSDI approach.

#### **FGE.47: Flavouring Group Evaluation 47, (FGE.47)**

**JECFA evaluation:** [http://whqlibdoc.who.int/publications/2006/9241660546\\_eng.pdf](http://whqlibdoc.who.int/publications/2006/9241660546_eng.pdf)

#### **KEYWORDS**

Bicyclic secondary alcohols, ketones and related esters, JECFA, secondary alicyclic saturated alcohols, secondary alicyclic unsaturated alcohols, FGE.47.